

XP-002278516

AN - 2001-472580 [51]

AP - KR19990023201 19990621; [Previous Publ. KR2001003063]

CPY - HANM-N

DC - A96 B03 B07 D21 E13

FS - CPI

IC - A61K9/06

IN - LIM S H; WOO J S

MC - A12-V01 A12-V04C B04-B01 B07-D05 B07-D12 B10-E04 B12-M03 B12-M09
B14-N17 D08-B09A E07-D05 E07-D12 E10-E04

PA - (HANM-N) HANMI PHARM CO LTD

PN - KR352088 B 20020912 DW200317 A61K9/06 000pp

- KR2001003063 A 20010115 DW200151 A61K9/06 001pp

PR - KR19990023201 19990621

XA - C2001-141934

XIC - A61K-009/06

AB - KR2001003063 NOVELTY - A minoxidil contained emulsion composition for external use is provided, which shows superior skin permeability than existing pharmaceutical agent for external use, so can reach to objective skin tissues when applied on skin.

- DETAILED DESCRIPTION - The minoxidil contained emulsion composition for external use comprises:

- (i) an active ingredient (minoxidil; 1-10 w/v % based on the total weight of the composition);
 - (ii) more than one kind of co-surfactants, i.e., amphiphilic solvents (e.g., benzyl alcohol, 1,2-propylene glycol, ethanol, isopropyl alcohol, transcutool, dimethylisosorbide, N-methyl-2-pyrrolidone and propylene carbonate; 10-90 w/v % based on the total weight of the composition);
 - (iii) surfactants (e.g., labrafil M 1944 CS, cremophor RH40, Tween, Myrj, Poloxamer, sodium lauryl sulfonate, phosphoric acids, Miglyol 840 and Span; 2-30 w/v % based on the total weight of the composition);
 - (iv) oils which can dissolve minoxidil (e.g., mono-oleate glycerin and capric acid/capric mono, di, triglyceride, separated fatty acid or natural vegetable oil; 1-30 w/v % based on the total weight of the composition); and
 - (v) a moisturizer (dexpantenol).
- (Dwg.0/10)

IW - MINOXIDIL CONTAIN EMULSION COMPOSITION EXTERNAL

IKW - MINOXIDIL CONTAIN EMULSION COMPOSITION EXTERNAL

INW - LIM S H; WOO J S

NC - 001

OPD - 1999-06-21

ORD - 2001-01-15

PAW - (HANM-N) HANMI PHARM CO LTD

TI - Minoxidil contained emulsion composition for external use